

21

# RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:	10/646	301		
Source:		Offe		
Date Processed by STIC:	•	8/28	1/2003	
•		7	<del>/                                    </del>	

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FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

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- 1. EFS-Bio (<a href="http://www.uspto.gov/ebc/efs/downloads/documents.htm">http://www.uspto.gov/ebc/efs/downloads/documents.htm</a>, EFS Submission User Manual ePAVE)
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Revised 04/24/2003



OIPE

RAW SEQUENCE LISTING DATE: 08/28/2003 PATENT APPLICATION: US/10/646,301 TIME: 14:39:03

Input Set : A:\seqlist.txt

3 <110> APPLICANT: Altmann, Scott W

Wang, Luquan

Output Set: N:\CRF4\08282003\J646301.raw

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Graziano, Michael
               Murgolo, Nick
               Davis, Harry
     10 <120> TITLE OF INVENTION: NPC1L1 (NPC3) AND METHODS OF USE THEREOF
     12 <130> FILE REFERENCE: JB01603-K1-US
W--> 13 <140> CURRENT APPLICATION NUMBER:
     15 <141> CURRENT FILING DATE: 2003-08-22
     17 <150> PRIOR APPLICATION NUMBER: 60/397,442
     19 <151> PRIOR FILING DATE: 2002-07-19
     21 <150> PRIOR APPLICATION NUMBER: 10/621,758
     23 <151> PRIOR FILING DATE: 2003-07-17
W--> 24 <160> NUMBER OF SEQ ID: 50
     26 <170> SOFTWARE: PatentIn version 3.1
    RED SEQUENCES

1795 <210> SEQ ID NO: 10 Sup 2

1796 <211> LENGTH: 3993

1797 <212> TYPE: DNA

1798 <213> ORGANISM: Rattus sp. Sup p. 5

1800 <400> SEQUENCE: 10
ERRORED SEQUENCES
                                                                                       60 Now is
120 a sample
180 240 d)
300
360 Mass
420
480 Moughout
600 Me
660 Me
720 sequence.
780
E--> 1801 atggangang antggythigg htggythyth tggganythy thythwshige niganeargan)
E--> 1802 garytntaya cnccnaarca ygargcnggn gtntgyacnt tytaygarga rtgyggnaar
E--> 1803 aayccngary tnwsnggngg nytnacnwsn ytnwsnaayg tnwsntgyyt nwsnaayacn
E--> 1804 congonmgne aygtnacngg ngarcayytn genytnytne armgnathtg yeenmgnytn
E--> 1805 tayaayggnc cnaayacnac nttygcntgy tgywsnacna arcarytnyt nwsnytngar
E--> 1806 wsnwsnatgw snathacnaa rgcnytnytn acnmgntgyc cngcntgyws ngayaaytty
E--> 1807 gtnwsnytnc aytgycayaa yacntgywsn ccngaycarw snytnttyat haaygtnacn
E--> 1808 mgngtngtng armgnggngc nggngarcen cengengtng tngentayga rgenttytay
E--> 1809 carmgnwsnt tygcngaraa rgcntaygar wsntgywsnc argtnmgnat hccngcngcn
E--> 1810 gcnwsnytng cngtnggnws natgtgyggn gtntayggnw sngcnytntg yaaygcncar
E--> 1811 mgntggytna ayttycargg ngayacnggn aayggnytng cnccnytnga yathacntty
E--> 1812 cayytnytng arccnggnca rgcnytnccn gayggnathc arccnytnaa yggnaarath
E--> 1813 gcnccntgya aygarwsnca rggngaygay wsngcngtnt gywsntgyca rgaytgygcn
E--> 1814 gcnwsntgyc cngtnathcc nccnccngar gcnytnmgnc cnwsnttyta yatgggnmgn
                                                                                       840
E--> 1815 atgccnggnt ggytngcnyt nathathath ttyacngcng tnttygtnyt nytnwsngcn
                                                                                       900
                                                                                       960
E--> 1816 gtnytngtnm gnytnmgngt ngtnwsnaay mgnaayaara ayaargcnga rggnccncar
E--> 1817 gargeneena arytneenea yaareayaar ytnwsneene ayaenathyt nggnmgntty
                                                                                      1020
                                                                                      1080
E--> 1818 ttycaraayt ggggnacnmg ngtngcnwsn tggccnytna cngtnytngc nytnwsntty
                                                                                      1140
E--> 1819 athgtngtna thgcnytngc ngcnggnytn acnttyathg arytnacnac ngayccngtn
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DATE: 08/28/2003

### RAW SEQUENCE LISTING

TIME: 14:39:03 PATENT APPLICATION: US/10/646,301

Input Set : A:\seqlist.txt
Output Set: N:\CRF4\08282003\J646301.raw

E>	1820	garytntggw	sngcnccnaa	rwsncargcn	mgnaargara	arwsnttyca	ygaygarcay	1200
E>	1821	ttyggnccnt	tyttymgnac	naaycarath	ttygtnacng	${\tt cnmgnaaymg}$	nwsnwsntay	1260
E>	1822	aartaygayw	snytnytnyt	nggnwsnaar	aayttywsng	gnathytnws	nytngaytty	1320
			tnytngaryt	4				1380
			ayathwsnyt					1440
			aytgytgygt					1500
			cngcnaayca					1560
			aytgygcnaa					1620
			cngaytaygg					1680
			aywsngargc					1740
			cnmgnatggc					1800
			armgnaayac					1860
			arathaaymg					1920
			tyytntayat					1980
			snaargcnac					2040 / /m/
			tgggnttyta					2100 Jane 2160
			tyytngtnyt					2160
			tnccnmgnat					
			cnccnwsnat					2220 2280 MM 2340
			cnccnatgcc					2340
			tyytnytnca					2400
			chwsnmgncc					2460
			argarggnyt					2520
			tyathmgncc					2580
			tgtgyaayat					2640
			thgaytaytt					2700
			cnachwsngg					2760
			gntgyaarws					2820
			sntaygtngc					2880
			snusnusntg					2940
							nacnytnggn	3000
							naaygayccn	3060
							naayytnwsn	3120
							nmgnaaywsn	3180
								3240
			tnccnggnac				hacngcngay nathwsnaav	3300
						_		3360
			arcartayyt				_	3420
							ywsnggnath	3480
			tnwsnathat					3540
							natgwsngtn	3600
							nmgnytngar	3660
		= :					ngcnatgacn	3720
							rathttytty	3780
							nttyytnccn	3840
							rgaraarytn	3900 ·
							ncengengay	3960
						cncayggngc	naaygcngcn	
E>			tnccnaarws	ngaycaraar	ссy			3993
	25/0	<210> SEQ	TD NO: 13					

## RAW SEQUENCE LISTING DATE: 08/28/2003 PATENT APPLICATION: US/10/646,301 TIME: 14:39:03

Input Set : A:\seqlist.txt

2571 <211> LENGTH: 3999

2572 <212> TYPE: DNA

Output Set: N:\CRF4\08282003\J646301.raw

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E--> 2576 atggcngcng cntggcargg ntggytnytn tgggcnytny tnytnaayws ngcncarggn
E--> 2577 garytntaya cnccnacnca yaargcnggn ttytgyacnt tytaygarga rtgyggnaar
                                                                                 120
E--> 2578 aayccngary tnwsnggngg nytnacnwsn ytnwsnaaya thwsntgyyt nwsnaayacn
                                                                                 180
E--> 2579 congonmgnc aygtnacngg ngaycayytn gonytnytnc armgngtntg yconmgnytn
                                                                                 240
E--> 2580 tayaayggnc cnaaygayac ntaygcntgy tgywsnacna arcarytngt nwsnytngay
                                                                                 300
                                                                                 360
E--> 2581 wsnwsnytnw snathacnaa rgcnytnytn acnmgntgyc cngcntgyws ngaraaytty
E--> 2582 gtnwsnathc aytgycayaa yacntgywsn ccngaycarw snytnttyat haaygtnacn
                                                                                 420
                                                                                 480
E--> 2583 mgngtngtnc armgngaycc nggncarytn congengtng tngcntayga rgcnttytay
                                                                                 540
E--> 2584 carmgnwsnt tygcngaraa rgcntaygar wsntgywsnm gngtnmgnat hccngcngcn
E--> 2585 gcnwsnytng cngtnggnws natgtgyggn gtntayggnw sngcnytntg yaaygcncar
E--> 2586 mgntggytna ayttycargg ngayacnggn aayggnytng cnccnytnga yathacntty
                                                                                 660
E--> 2587 cayytnytng arccnggnca rgcnytngcn gayggnatga arccnytnga yggnaarath
                                                                                 720
                                                                                 780
E--> 2588 acnccntgya aygarwsnca rggngargay wsngcngcnt gywsntgyca rgaytgygcn
                                                                                 840
E--> 2589 gcnwsntgyc cngtnathcc nccnccnccn gcnytnmgnc cnwsnttyta yatgggnmgn
E--> 2590 atgccnggnt ggytngcnyt nathathath ttyacngcng tnttygtnyt nytnwsngtn
                                                                                 960
E--> 2591 gtnytngtnt ayytnmgngt ngcnwsnaay mgnaayaara ayaaracngc nggnwsncar
                                                                                1020
E--> 2592 gargeneena ayytneenmg naarmgnmgn ttywsneene ayaengtnyt nggnmgntty
                                                                                1080
E--> 2593 ttygarwsnt ggggnacnmg ngtngcnwsn tggccnytna cngtnytngc nytnwsntty
E--> 2594 athgtngtna thgcnytnws ngtnggnytn acnttyathg arytnacnac ngayccngtn
                                                                                1140
                                                                                1200
E--> 2595 garytntggw sngcnccnaa rwsncargcn mgnaargara argcnttyca ygaygarcay
E--> 2596 ttyggnccnt tyttymgnac naaycarath ttygtnacng cnaaraaymg nwsnwsntay
                                                                                1260
                                                                                1320
E--> 2597 aartaygayw snytnytnyt nggnccnaar aayttywsng gnathytnws nytngayytn
                                                                                1380
E--> 2598 ytncargary tnytngaryt ncargarmgn ytnmgncayy tncargtntg gwsncaygar
E--> 2599 gcncarmgna ayathwsnyt ncargayath tgytaygcnc cnytnaaycc ncayaayacn
                                                                                1440
                                                                                1500
E--> 2600 wsnytnacng aytgytgygt naaywsnytn ytncartayt tycaraayaa ycayacnytn
                                                                                1560
E--> 2601 ytnytnytna cngcnaayca racnytnaay ggncaracnw snytngtnga ytggaargay
E--> 2602 cayttyytnt aytgygcnaa ygcnccnytn acntayaarg ayggnacngc nytngcnytn
                                                                                1620
E--> 2603 wsntgyathg cngaytaygg ngcnccngtn ttyccnttyy tngcngtngg nggntaycar
                                                                                1680
E--> 2604 ggnacngayt aywsngargc ngargcnytn athathacnt tywsnathaa yaaytayccn
                                                                                1740
E--> 2605 gcngaygayc cnmgnatggc ncaygcnaar ytntgggarg argcnttyyt naargaratg
                                                                                1860
E--> 2606 carwsnttyc armgnwsnac ngcngayaar ttycarathg cnttywsngc ngarmgnwsn
                                                                                1920
E--> 2607 ytngargayg arathaaymg nacnacnath cargayytnc cngtnttygc nathwsntay
                                                                                1980
E--> 2608 ytnathgtnt tyytntayat hwsnytngcn ytnggnwsnt aywsnmgntg gwsnmgngtn
E--> 2609 gcngtngayw snaargcnac nytnggnytn ggnggngtng cngtngtnyt nggngcngtn
E--> 2610 gtngcngcna tgggnttyta ywsntayytn ggngtnccnw snwsnytngt nathathcar
                                                                                2160
E--> 2611 gtngtnccnt tyytngtnyt ngcngtnggn gcngayaaya thttyathtt ygtnytngar
                                                                                2220
E--> 2612 taycarmgny tnccnmgnat gccnggngar carmgngarg cncayathgg nmgnacnytn
                                                                                2280
E--> 2613 ggnwsngtng cnccnwsnat gytnytntgy wsnytnwsng argcnathtg yttyttyytn
E--> 2614 ggngcnytna cnwsnatgcc ngcngtnmgn acnttygcny tnacnwsngg nytngcnath
                                                                                2340
                                                                                2400
E--> 2615 athttygayt tyytnytnca ratgacngcn ttygtngcny tnytnwsnyt ngaywsnaar
                                                                                2460
E--> 2616 mgncargarg cnwsnmgncc ngaygtngtn tgytgyttyw snwsnmgnaa yytnccnccn
E--> 2617 ccnaarcara argarggnyt nytnytntgy ttyttymgna arathtayac nccnttyytn
                                                                                2520
                                                                                2580
E--> 2618 ytncaymgnt tyathmgncc ngtngtnytn ytnytnttyy tngtnytntt yggngcnaay
                                                                                2640
E--> 2619 ytntayytna tgtgyaayat hwsngtnggn ytngaycarg ayytngcnyt nccnaargay
E--> 2620 wsntayytna thgaytaytt yytnttyytn aaymgntayy tngargtngg nccnccngtn
                                                                                2700
```

seep. 4

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/646,301

DATE: 08/28/2003 TIME: 14:39:03

Input Set : A:\seqlist.txt

Output Set: N:\CRF4\08282003\J646301.raw

E>	2621	tayttygaya	cnacnwsngg	ntayaaytty	wsnacngarg	cnggnatgaa	ygcnathtgy	2760
E>	2622	wsnwsngcng	gntgygarws	nttywsnytn	acncaraara	thcartaygc	nwsngartty	2820
E>	2623	ccnaaycarw	sntaygtngc	nathgengen	wsnwsntggg	tngaygaytt	yathgaytgg	2880
E>	2624	ytnacnccnw	snwsnwsntg	ytgymgnath	tayacnmgng	gnccncayaa	rgaygartty	2940
E>	2625	tgyccnwsna	cngayacnws	nttyaaytgy	ytnaaraayt	gyatgaaymg	nacnytnggn	3000
E>	2626	cengtnmgne	cnacnacnga	rcarttycay	aartayytnc	cntggttyyt	naaygayacn	3060
E>	2627	ccnaayathm	gntgyccnaa	rggnggnytn	gcngcntaym	gnacnwsngt	naayytnwsn	3120
E>	2628	wsngayggnc	arathathgc	nwsncartty	atggcntayc	ayaarccnyt	nmgnaaywsn	3180
E>	2629	cargayttya	cngargcnyt	nmgngcnwsn	mgnytnytng	cngcnaayat	hacngcngar	3240
E>	2630	ytnmgnaarg	tnccnggnac	ngayccnaay	ttygargtnt	tyccntayac	nathwsnaay	3300
E>	2631	gtnttytayc	arcartayyt	nacngtnytn	ccngarggna	thttyacnyt	ngcnytntgy	3360
E>	2632	ttygtnccna	cnttygtngt	ntgytayytn	ytnytnggny	tngayathmg	nwsnggnath	3420
E>	2633	ytnaayytny	tnwsnathat	hatgathytn	gtngayacna	thggnytnat	ggcngtntgg	3480
E>	2634	ggnathwsnt	ayaaygcngt	nwsnytnath	aayytngtna	cngcngtngg	natgwsngtn	3540
Ĕ>	2635	garttygtnw	sncayathac	nmgnwsntty	gcngtnwsna	cnaarccnac	nmgnytngar	3600
E>	2636	mgngcnaarg	aygcnacnat	httyatgggn	wsngcngtnt	tygcnggngt	ngcnatgacn	3660
E>	2637	aayttyccng	gnathytnat	hytnggntty	gcncargcnc	arytnathca	rathttytty	3720
E>	2638	ttymgnytna	ayytnytnat	hacnytnytn	ggnytnytnc	ayggnytngt	nttyytnccn	3780
E>	2639	gtngtnytnw	sntayytngg	nccngaygtn	aaycargcny	tngtnytnga	rgaraarytn	3840
E>	2640	gcnacngarg	cngcnatggt	nwsngarccn	wsntgyccnc	artayccntt	yccngcngay	3900
E>	2641	gcnaayacnw	sngaytaygt	naaytayggn	ttyaayccng	arttyathcc	ngarathaay	3960
E>	2642	gcngcnwsnw	snwsnytncc	naarwsngay	caraartty			3999

same even

VARIABLE LOCATION SUMMARY

PATENT APPLICATION: US/10/646,301

DATE: 08/28/2003

TIME: 14:39:04

error Aplan.

Input Set : A:\seqlist.txt

Output Set: N:\CRF4\08282003\J646301.raw

### Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing. Use of <220> to <223> is MANDATORY if n's or Xaa's are present. in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:10; N Pos. 6,9,12,18,21,27,30,36,39,42,45,48,51,54,60,66,72,75,87,90 Seq#:10; N Pos. 93,99,117,126,132,135,138,141,144,147,150,153,156,162,165 Seq#:10; N Pos. 171,174,180,183,186,189,195,198,201,210,213,216,219,225,234 Seq#:10; N Pos. 237,240,249,252,258,261,267,276,279,288,291,294,297,303,306 Seq#:10; N Pos. 312,318,324,327,330,333,336,342,345,351,363,366,369,384,390 Seq#:10; N Pos. 393,402,405,417,420,423,426,429,435,438,441,444,450,453,456 Seq#:10; N Pos. 459,462,465,474,486,489,495,504,513,519,525,528,534,537,540 Seq#:10; N Pos. 543,546,549,552,555,558,561,570,573,579,582,585,588,597,603 Seq#:10; N Pos. 609,621,627,630,636,639,642,645,648,657,666,669,675,678,684 Seq#:10; N Pos. 687,690,696,705,708,714,723,726,738,744,753,756,759,765,780 Seq#:10; N Pos. 783,786,792,795,801,804,807,813,816,819,822,825,837,840,846 Seq#:10; N Pos. 849,855,858,861,876,879,882,888,891,894,897,900,903,906,909 Seq#:10; N Pos. 912,915,918,921,924,927,933,948,954,957,966,969,975,978,993 Seq#:10; N Pos. 996,999,1005,1011,1014,1017,1035,1038,1041,1044,1047,1050 Seq#:10; N Pos. 1056,1059,1062,1065,1068,1071,1074,1077,1086,1089,1095,1098 Seq#:10; N Pos. 1101,1104,1107,1110,1113,1125,1128,1131,1137,1140,1146,1152 Seq#:10; N Pos. 1155,1158,1164,1170,1173,1185,1206,1209,1218,1221,1236,1239 Seq#:10; N Pos. 1242,1245,1251,1254,1257,1272,1275,1278,1281,1284,1287,1299 Seq#:10; N Pos. 1302,1308,1311,1314,1323,1326,1332,1335,1341,1350,1353,1356 Seq#:10; N Pos. 1362,1368,1374,1377,1383,1389,1398,1401,1419,1422,1425,1431 Seq#:10; N Pos. 1440,1443,1446,1449,1461,1467,1470,1473,1494,1497,1500,1503 Seq#:10; N Pos. 1509,1512,1515,1524,1527,1533,1539,1542,1545,1548,1569,1578 Seq#:10; N Pos. 1584,1587,1590,1593,1605,1608,1611,1614,1617,1620,1623,1632 Seq#:10; N Pos. 1641,1644,1647,1650,1656,1662,1665,1668,1671,1674,1683,1686 Seq#:10; N Pos. 1695,1701,1707,1710,1719,1725,1728,1740,1743,1752,1755,1761 Seq#:10; N Pos. 1767,1773,1785,1791,1806,1815,1821,1824,1839,1842,1848,1851 Seq#:10; N Pos. 1857,1860,1863,1881,1884,1887,1899,1902,1905,1911,1914,1917 Seq#:10; N Pos. 1929,1935,1944,1947,1950,1953,1956,1959,1965,1968,1974,1977 Seq#:10; N Pos. 1980,1983,1986,1992,1998,2001,2004,2007,2010,2013,2016,2019 Seq#:10; N Pos. 2025,2028,2031,2034,2037,2040,2043,2046,2049,2055,2064,2070 Seq#:10; N Pos. 2073,2076,2079,2082,2085,2088,2091,2103,2106,2109,2115,2118 Seq#:10; N Pos. 2121,2124,2127,2130,2133,2154,2157,2169,2172,2175,2178,2184 Seq#:10; N Pos. 2187,2196,2202,2211,2214,2217,2220,2223,2226,2229,2232,2235 Seq#:10; N Pos. 2238,2244,2247,2253,2256,2259,2265,2280,2283,2286,2289,2292 Seq#:10; N Pos. 2295,2301,2304,2307,2310,2313,2319,2322,2325,2328,2331,2334 Seq#:10; N Pos. 2337,2346,2355,2358,2367,2370,2376,2379,2382,2385,2388,2391 Seq#:10; N Pos. 2397,2403,2412,2415,2418,2421,2427,2430,2442,2445,2448,2454 Seq#:10; N Pos. 2457,2460,2463,2478,2481,2484,2487,2490,2499,2511,2514,2520 Seq#:10; N Pos. 2523,2529,2538,2541,2544,2547,2553,2556,2562,2565,2568,2574 Seq#:10; N Pos. 2577,2583,2589,2607,2610,2613,2625,2628,2631,2634,2643,2649 Seq#:10; N Pos. 2664,2670,2676,2682,2688,2691,2694,2697,2700,2709,2712,2715 Seq#:10; N Pos. 2718,2721,2733,2736,2742,2745,2754,2757,2763,2766,2769,2772 Seq#:10; N Pos. 2781,2787,2790,2793,2811,2814,2823,2832,2838,2841,2847,2850

#### DATE: 08/28/2003 VARIABLE LOCATION SUMMARY

TIME: 14:39:04 PATENT APPLICATION: US/10/646,301

Input Set : A:\seqlist.txt
Output Set: N:\CRF4\08282003\J646301.raw

Seq#:10;	N	Pos.	2853, 2856, 2862, 2883, 2886, 2889, 2892, 2895, 2898, 2907, 2910, 2919
Seq#:10;	N	Pos.	2922, 2925, 2946, 2949, 2952, 2958, 2961, 2973, 2991, 2994, 2997, 3000
Seq#:10;	N	Pos.	3003, 3006, 3009, 3012, 3015, 3018, 3039, 3042, 3051, 3060, 3063, 3072
Seq#:10;	N	Pos.	3078, 3084, 3087, 3090, 3093, 3096, 3102, 3105, 3108, 3111, 3117, 3120
Seq#:10;	N	Pos.	3123, 3129, 3135, 3141, 3144, 3156, 3168, 3171, 3174, 3180, 3192, 3198
Seq#:10;	N	Pos.	3201, 3204, 3207, 3210, 3213, 3216, 3219, 3222, 3225, 3234, 3237, 3243
Seq#:10;	N	Pos.	3246, 3252, 3255, 3258, 3261, 3267, 3279, 3285, 3291, 3297, 3303, 3321
Sea#:10;	N	Pos.	3324,3327,3330,3333,3339,3348,3351,3354,3357,3366,3369,3372

VERIFICATION SUMMARY

DATE: 08/28/2003

PATENT APPLICATION: US/10/646,301

TIME: 14:39:04

Input Set : A:\seqlist.txt

Output Set: N:\CRF4\08282003\J646301.raw

L:13 M:283 W: Missing Blank Line separator, <140> field identifier

L:24 M:283 W: Missing Blank Line separator, <160> field identifier L:39 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1, Line#:36 L:739 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3, Line#:736

L:1801 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:10

M:340 Repeated in SeqNo=10

L:1881 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:11, Line#:1878

L:2576 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:13

M:340 Repeated in SeqNo=13

L:3022 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:43, Line#:3019